Fig.1.

Fig.3.

Fig.2.

SUBSTITUTE SHEET (RULE 26)
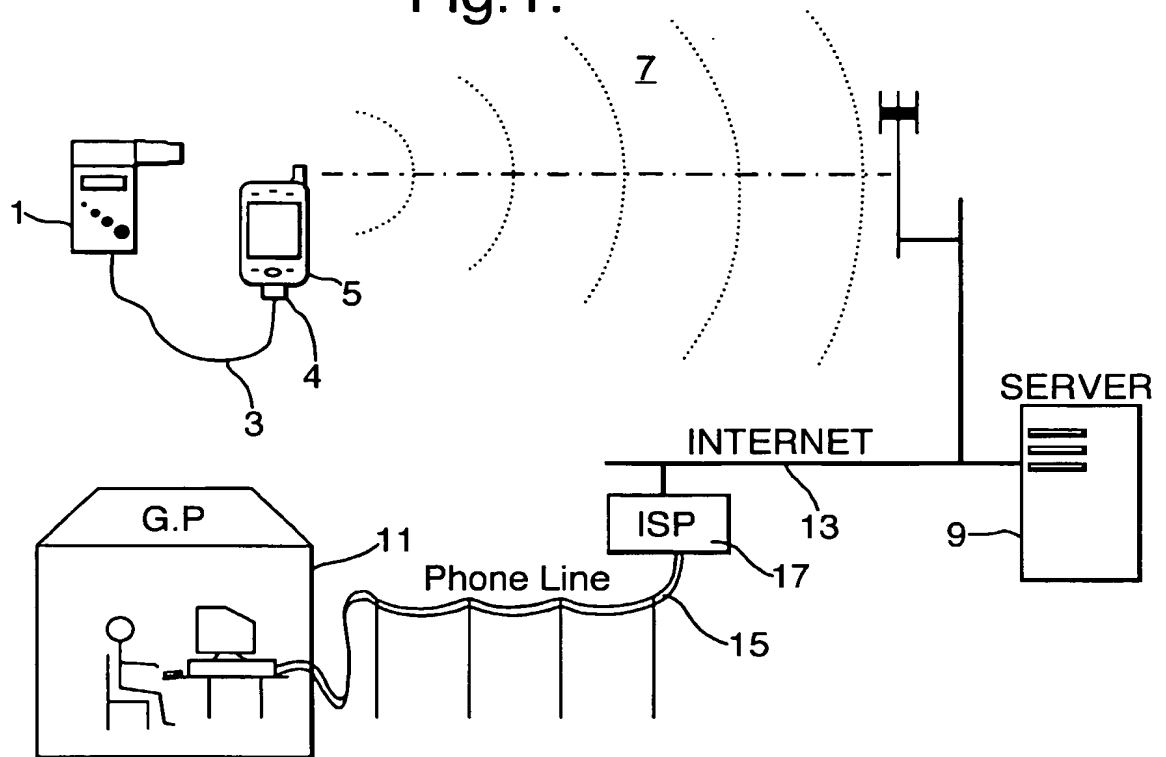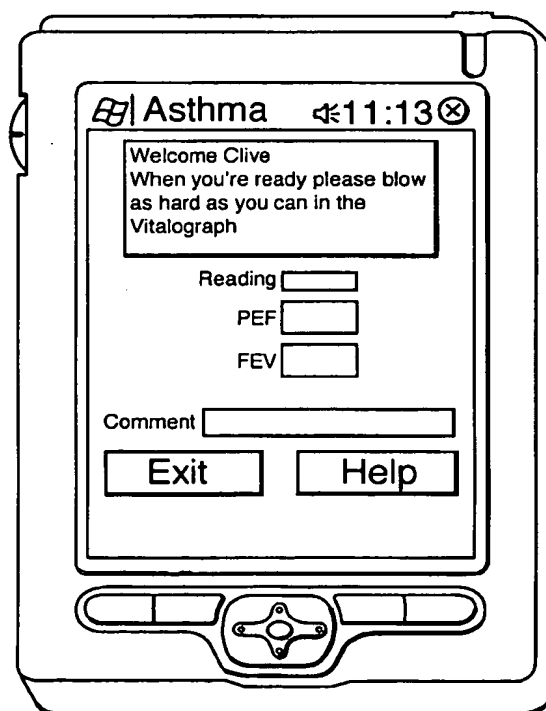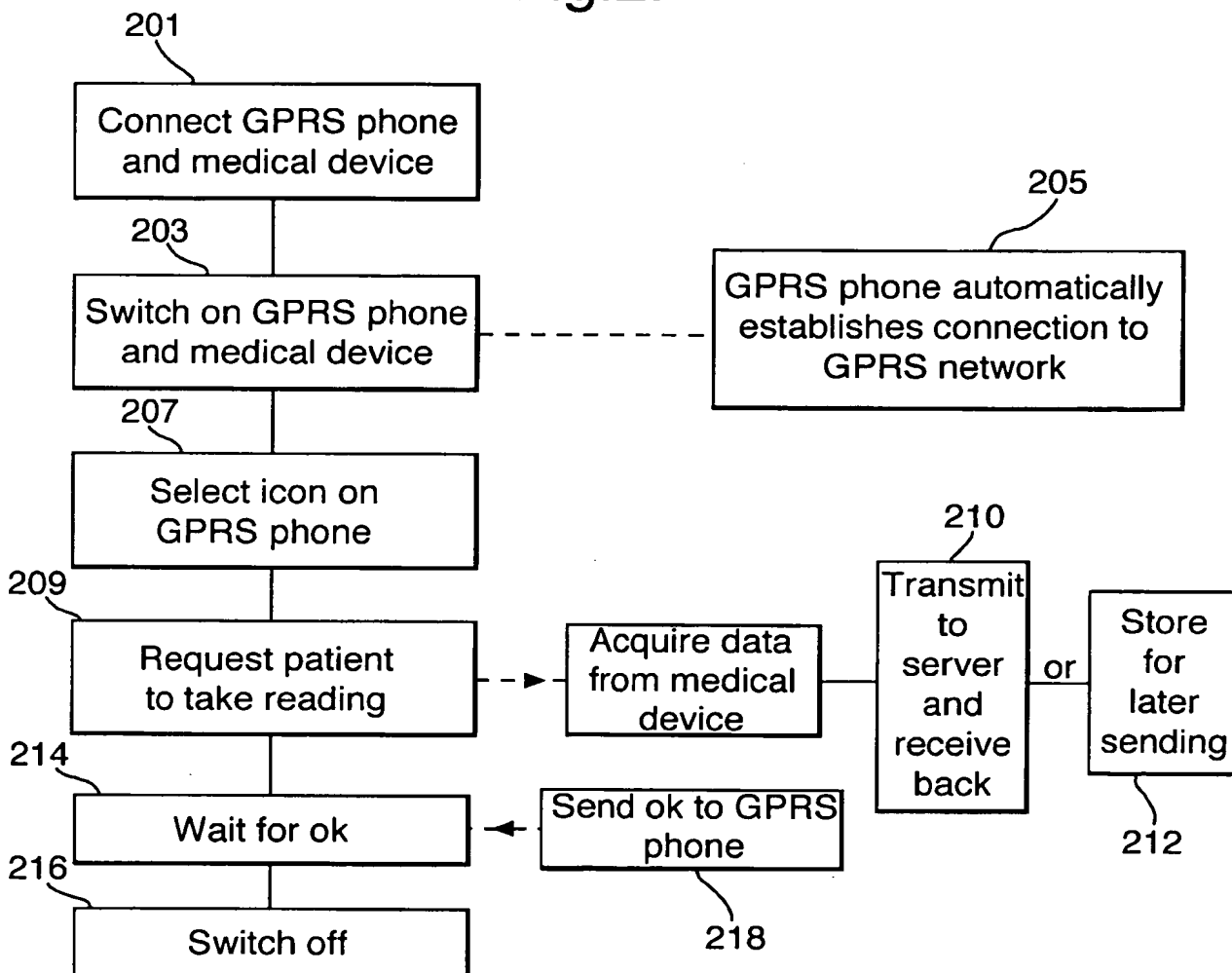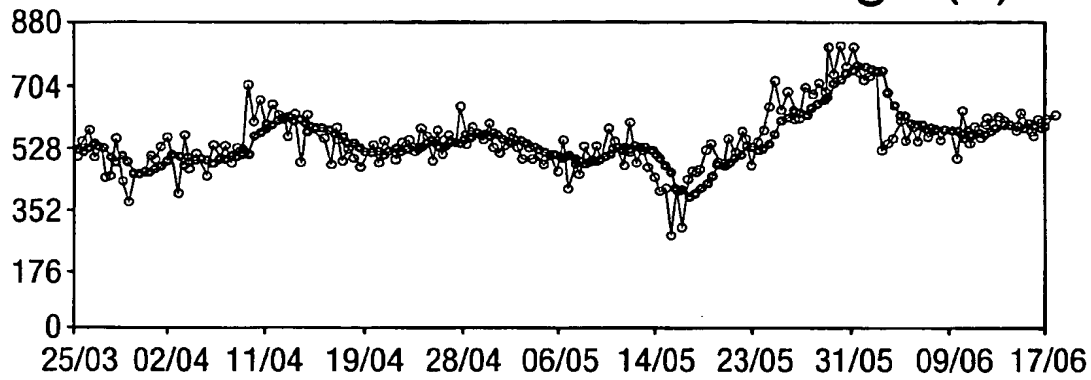
3/6

21:00 on 17/05 raw=434.0, trend=376.0   Fig.4(a).
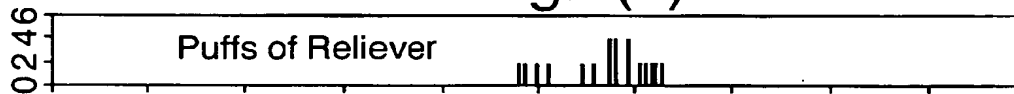

Fig.4(b).
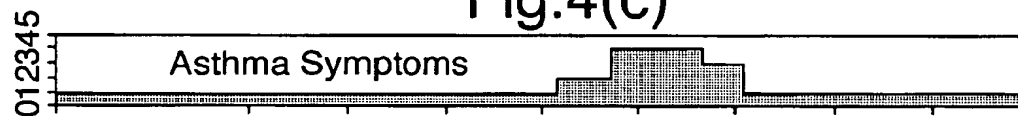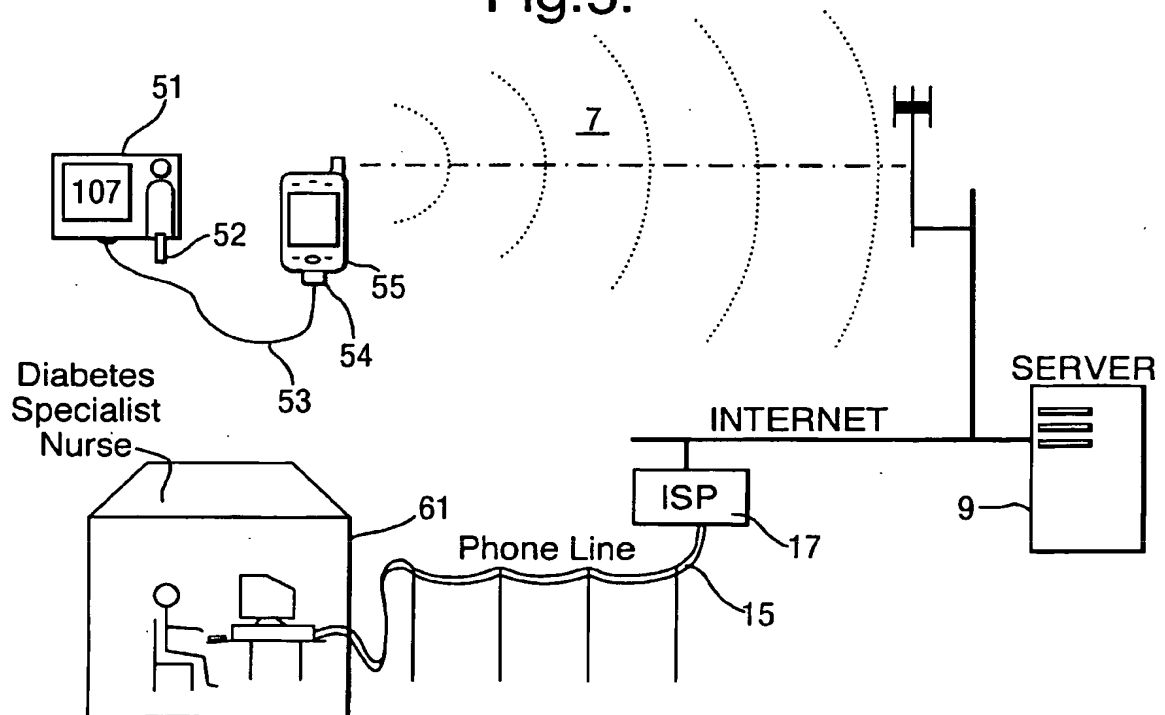

Fig.4(c)

Fig.5.

Fig.6.
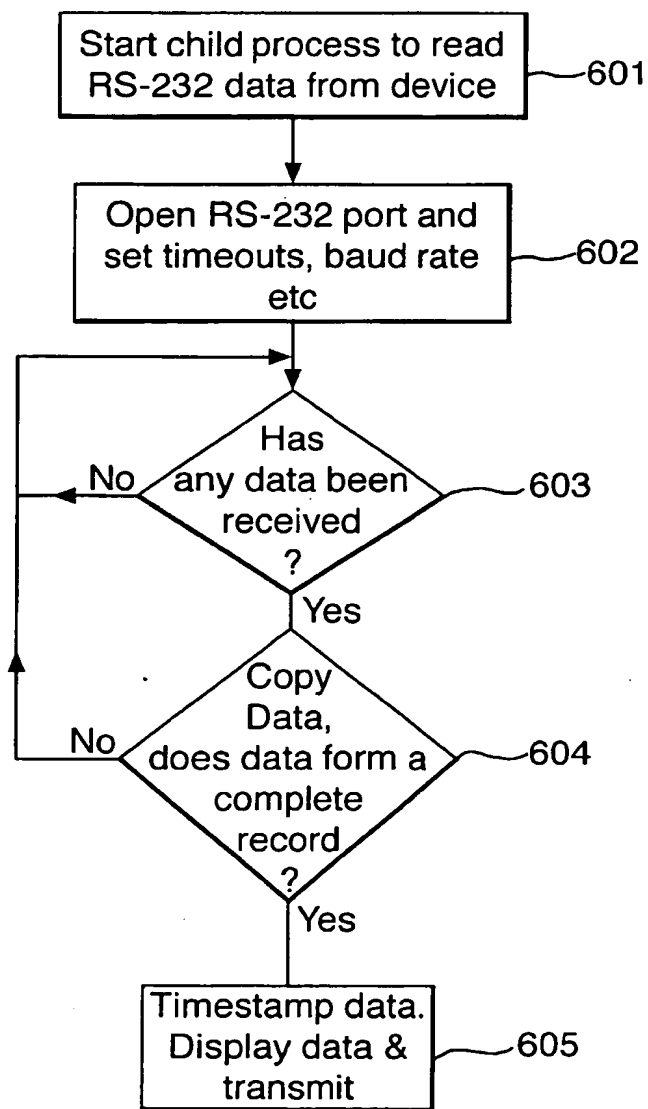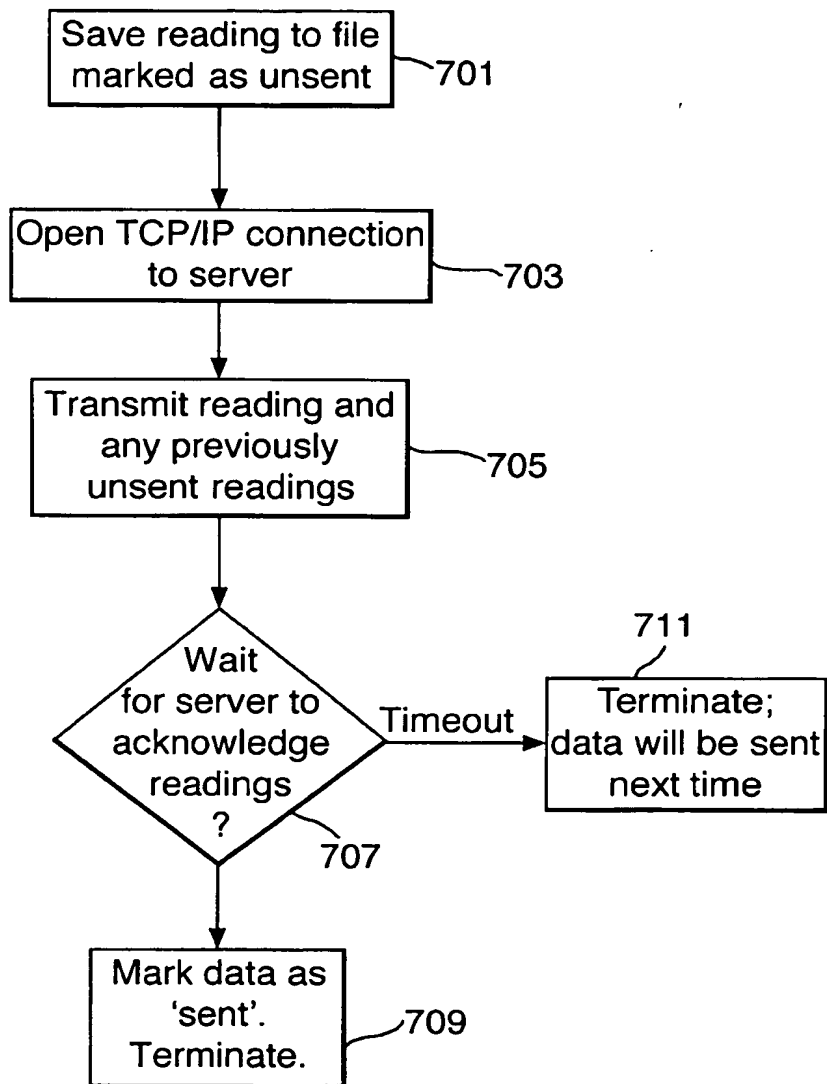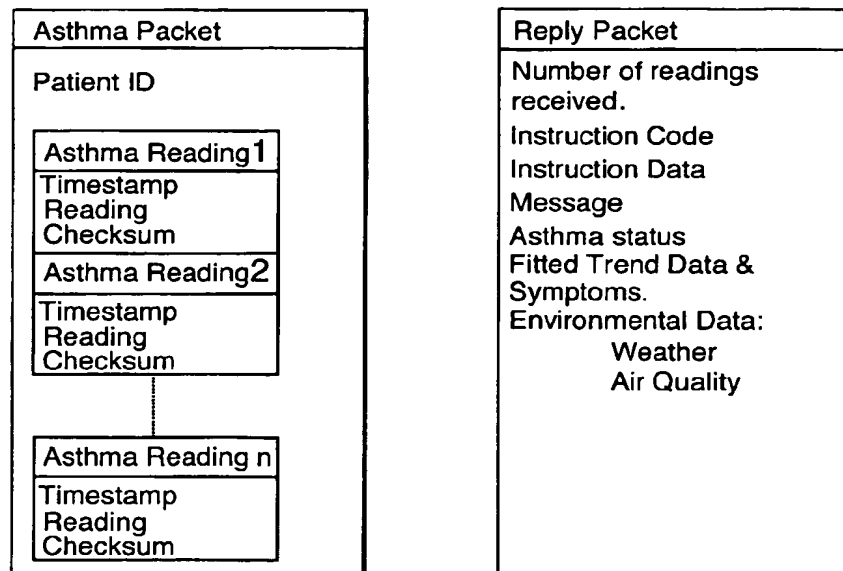
```
┌─────────────────────────┐
│ Start child process to read │ ──601
│ RS-232 data from device │
└─────────────────────────┘
            │
            ▼
┌─────────────────────────┐
│ Open RS-232 port and    │ ──602
│ set timeouts, baud rate │
│ etc                     │
└─────────────────────────┘
            │
            ▼
         ◇ Has
   No ◇ any data been ◇ ──603
      ◇   received   ◇
         ◇    ?    ◇
            │ Yes
            ▼
         ◇ Copy
         ◇ Data,
   No ◇ does data form a ◇ ──604
      ◇   complete    ◇
         ◇  record   ◇
         ◇    ?    ◇
            │ Yes
            ▼
┌─────────────────────────┐
│ Timestamp data.         │ ──605
│ Display data &          │
│ transmit                │
└─────────────────────────┘
```

Fig.7.

Save reading to file
marked as unsent — 701

↓

Open TCP/IP connection
to server — 703

↓

Transmit reading and
any previously
unsent readings — 705

↓

Wait
for server to
acknowledge
readings
? — 707

→ Timeout →

711

Terminate;
data will be sent
next time

↓

Mark data as
'sent'.
Terminate. — 709

Fig.8.

Asthma Packet

Patient ID

Asthma Reading1
Timestamp
Reading
Checksum

Asthma Reading2
Timestamp
Reading
Checksum

Asthma Reading n
Timestamp
Reading
Checksum

Reply Packet

Number of readings received.
Instruction Code
Instruction Data
Message
Asthma status
Fitted Trend Data & Symptoms.
Environmental Data:
      Weather
      Air Quality

Fig.9.

| Asthma | ⌥ ◁ 09:37 |

Thank You

Almost all readings taken on time. Good effort.

Weekly Summery:

	Wed	Thu	Fri	Sat	Sun	Mon	Tue
AM	X	✓	✓	✓	✓	✓	✓
PM	✓	✓	✓	✓	X	✓	
PEF	741	691	783	639	565	579	746

OK